| SEQUENCE LISTING

<pre><110> UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, ING.</pre>	
<pre><120> STABILIZED BIOACTIVE PEFTIDES AND METHODS OF IDENTIFICATION, SYNTHESIS AND USE</pre>	
<130> 235.00010201	
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<150> 60/104,013 <151> 1998-10-13	
<150> 60/112,150 <151> 1998-12-14	
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<210> 1 <211> 133 <212> DNA <213> Escherichia coli	
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<210> 2 <211> 25 <212> PRT <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: peptide having opposite charge ending motif	
<400> 2 Met Glu Asp Glu Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xa	

Xaa Xaa Xaa Xaa Arg Lys Arg Lys

```
<2:0> 3
40115 14
KLILP PAT
x2135 Artificial Sequence
<3205
<213> Description of Artificial Sequence: starilized
     angistensin
<400> 3
Fro Pro Asp Arg Val Tyr Tie His Fro Fne His Ile Frt Fro
                                   10
 1 5
+2100-4
+ 211> 18
- 211. FRT
3 2138 Artificial Sequence
- 220>
- 223> Description of Artificial Sequence: stabilized
     angiotensin
400> 4
Glu Asp Glu Asp Asp Arg Val Tyr Ile His Pro Phe His Ile Arg Lys
                                   10
                 5
Arg Lys
· 210 - 5
·211 > 10
-.212 > PRT
\gamma \cdot 213> Homo sapiens
 App Arg Val Tyr Ile Eis Pro Phe Eis Ile
 1 5
 -0310> 6
 R211> 20
 K212% DNA
 <213> Artificial Sequence
<220>
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KOLD - Lestraption of Artificial Sequence: prings	
<40°00 €	,
gttgsbattg wiedaggbat	•
<2100-7	
<pre><211 < 42</pre>	
+313 DNA	
·213 · Artif i cial Sequence	
+ 220 +	
- 123 - Description of Artificial Sequence: prime:	
- 400 - 7	
artgaattoa taagatotti bolgtgigaa altegitalda ga	* C
.:10 % 8	
+ 211 + 37	
- 112 - DNA	
-:13 - Artificial Sequence	
-<20 ⋅	
-223 Description of Artificial Sequence: primer	
· 400 · 8	37
attgaattda coatggadad datogaatgg tgdaaaa	3 /
<110 + 9	
k211 × 19	
HDD2 + DNA	
-113 - Artificial Sequence	
+ 0.20 +	
-[2] - Description of Artificial Sequence: primer	
;c 9	1.6
attyttgoca ttgotgoag	19
+ 21 % + 16	
+211+43	
+ 21.7 + DMA	
211 · Artificial Sequence	
. 221.	
(223) Description of Artificial Sequence: primer	
<400> 10	4.3
tgtatgaatt coogggtadd âtggttgaag acgaaagggo did	4.3

<21(> 11	
<21 1 > 30	
121. V TW	
k0150 Artificial Sequence	
<pre><.p20></pre>	
<.23 Description of Artificial Sequence: primer	
+400% 11	
taptatagat otatgaccat gattsoggat toactg	3.6
· 210 · 12	
+111 + 36	
+112 DNA	
+.13 - Artificial Sequence	
+ L20 ·	
23 - Description of Artificial Sequence: primer	
+400 + 12	
tacataaago tiggootgoo oggitattat tattii	36
+210 + 13	
v. 11 · 47	
+ _12 + DNA	
- 713 - Artificial Sequence	
- 23 - Description of Artificial Sequence: primer	
+ 400 + 13	47
tatoatotgo agaggaaada gotatgacca tgattacqqa ttoactg	••• ,
+ 210 + 14	
- 211 - 47	
+212 DNA	
+213 + Artificial Sequence	
· 326 ·	
- 222 - Description of Artificial Sequence: primer	
- 12. Description of Artalicial Sequence, primer	
+40: +14	
tacatactog agcaggaaag ott g gootgo coggttatta itattit.	47
.acalabog agoaggaaag beoggoodga boggoodsta tedetta	
H016 + 15	
30.15 47	
<pre></pre>	
AZZE CONTRA	

<pre><cl3> Artifloral Coquence</cl3></pre>	
S120>	
<pre>+; Description of Artificial Sequence: prime:</pre>	
<4900 15	
tatoatggat ocaggasaca gotatuaboa tgattachga ttoactg	4 **
+210:-16	
+311)-36	
+ DIFFE DNA	
+ 213 Artificial Sequence	
• 720 •	
+13 + Description of Artificial Sequence: prime:	
+400 + 16	
twotatagat otatggotat ogacyasasc assosg	36
+ 21C+ 17	
· 211 · 40	
+212 - DNA	
<213: Artificial Sequence	
+220 ·	
0.203 - Description of Artificial Sequence: primer	
×4005-17	
atatataage tittaaaaaat eilegitagi tietgelaeg	40
-210-18	
∴11 35	
+ 212 + DNA	
+213 Artificial Sequence	
*220 ×	
+ 223 - Description of Artificial Sequence: primer	
+400 + 18	
tactatagat otatqaacaa äg g tgtaatg ogaco	35
-21(+19	
+011 + 35	
+ 212 + DNA	
-013 - Artificial Sequence	
+:220 -	
<223> Description of Artificial Sequence: primer	

<400> 19	
attagtdäst togowoaato totgowatwa gtogt	3.5
KI 198 . .Q	
kI11> 15	
<012/ DNA	
<pre><213 Artificial Sequence</pre>	
<20 •	
<pre><223 - Description of Artificial Sequence: primer</pre>	
inaqment	
K4008-20	
againstiaty autic	* £
+:210 + 21	
K211 + 15	
HILLSH DNA	
<pre><113 - Artificial Sequence</pre>	
<220 ×	
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fragment	
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agatettatg aatto	15
K210> 22	
+2115 15	
KI12 + DNA	
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K210 -	
kN13 - Description of Artificial Sequence: primer	
fragment	
$\sim 4.90 + 2.2$	
agatottatg aatto	18
+111 + 23	
· 111 · 93	
+B12 + DMA	
wall - Artificial Sequence	
- 320 →	
·221> Description of Artificial Sequence: randomized	
clignnucle:tide	

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<100 × 13	
tac ${f r}$ staget statgment, nonnennenne minnennen, nömminnen hinnennen.	
himmenninin himmetaata adaattotog aca	
+ 11Ca+14	
x211> 16	
· CIO> DNA	
<pre><213: Artificial Sequence</pre>	
k 220:	
<pre>+323> Lescription of Artificial Sequence: primer</pre>	
· 400 24	
tytogagaat t ottatta	1 1,
+ 210 + 25	
×211 + 20	
+212 + PIA	
+213 · Artificial Sequence	
g 20 In Claudian Conjuntos	
. 220 -	
+323 - Description of Artificial Sequence: primer	
• 400 × 25	
tcattaatgc agotggcacg	20
210 + 16	
+211 × 10	
+212 + DNA	
- 213 - Artificial Sequence	
tillicial objaction	
- 22C ·	
-223 - Description of Artificial Sequence: primer	
+400 + 26	
ttpatanagg gtgdotgast	20
reda alady gegeocyase	20
+210 + 27	
+ 210 + 20	
212 - DNA	
+213 + Artificial Sequence	
· 22C ·	
∴223 > Description c: Artificial Sequence: primer	
<400× 27	
tanstoadto attaggnaco	20

7

<210>	28	
-:211>	20	
42123	DUA	
41135	Antificial Requerice	
·12201		
	Déscription of Artificial Sequencé: primer	
41 4 000-	26	
mat gac	gatq agogoattgi	20
-:210>	29	
:::11:·	92	
12	DNA	
-1.13	Artificial Sequence	
d220+		
4223 +	Tescription of Artificial Sequence: antisense	
	cligonuclectide	
<400 -		
	agat ctacqgtcac tgaattttgt ggcttgttgg accaactgcc ttagtaatag	
tiggaag	gootg aaattaataa gaattotoga ca	92
<210 -	30	
<211>	91	
<212 -	ANG	
<213 ·	Artificial Sequence	
<220 +		
<223 ·	Description of Artificial Sequence: antisense oligonuclectide	
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	lagat ctacgtqqc q ggactcatqq attaagqqta ggqacqtqqq qtttatqqqt	60
	tagit tgataataag aattotogad a	91
<210 ·	31	
<1115	€2	
<112>	DNA	
₹113→	Artificial Sequence	
.220 -		
+223×	Description of Artificial Sequence: antisense oligonucleotide	
· 400>	31	

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tacta\mathbf{t}agat stangaangg obgaaccasa ogustnoggg abbraquags igostásána \epsilon^c
getancadet gtggtaataa gaattetega ca
K21: 32
40011> 93
HIZIDE LINA
<:213 * Artificial Sequence</pre>
42201
<223 Description of Artificial Sequence: antisense</pre>
      cliconuclectide
<1400 N 32
tactatagat \dot{\psi}tacgyaccg tgaagtgatg tgtgeggeaa aacaggaatg gaaggaacga 60
acy: atagy utgoytaata agaattotoy aca
· 210 / 33
A011: 93
-212 DNA
+213 - Artificial Sequence
<223 - Description of Artificial Sequence: antisense</p>
      oligonucleatide
<400 · 33
tactatagat ctacgagggg cgccaactaa ggggggggga aggtatttgt cccgtgcata 60
atotogggtg tigtotaata agaattotog aca
                                                                        93
<210 - 34
+211 + 13
+312 - PRT
+213 · Artificial Sequence
+223 · Description of Artificial Sequence: stabilized
      peptide
<400 · 34
Met Val Thr Glu Phe Cys Gly Leu Leu Asp Glr. Leu Pro
 1
                  5
                                        10
H210 - 35
<211 + 86
<210 - DNA
<213> Artificial Sequence
```

G

32275 <2.13> Description of Artificial Sequence: nuclei - wold encoding stabilized peptide <4000 35 caggaaaqat statggtoas tgaatttigt dgsttgttgt ascaastgss tiagtaatag 60tggaaggety aaattaataa gaatte ×210> 36 < 211> 16 <0120 FET <213> Artificial Sequence · 220% *2250 Description of Artificial Sequence: stabilized pentide <400h 36 Met Trp Arg Asp Ser Trp Ile Lys Gly Arg Asp Val Gly Phe Met Gly 5 10 < 210> 37 · 211> 85 +112 DNA + 113 + Artificial Sequence - 220× .123. Description of Artificial Sequence: nucleic acid encoding stabilized peptide $+400 \times 37$ caggaaaqat ctatgtggcg gdactoatgg attaagggta gggacgtggg gtttatgggt 60 85 taaaatagtt tgataataag aattc +210 + 38.211. 141 3212 - DNA H.113 - Artificial Sequence ·:220 · -223 Description of Artificial Sequence: nucleic acid encoding stabilized pertide <451 → 38 -paggaaagat otatgtbagg ggpabatgtg abgagggagt gbaagtbggb gatgtbbaat 60ogitggatot acgtaataag aattotoatg titgacaget tatcatogat aagotttaat 120 141 goggtagttt atracagtta a

```
<210> 39
<211> 4...
<.i113 FFT</pre>
Allah Artificial Sequence
< 220>
ADD39 Description of Artificial Sequence: stabilized
      pertide
· 4005 39
Met Ser Gly Gly His Val Thr Arg Glu Cyb Lys Ser Ala Met Ser Ash
                                     10
Arg Trp lie Tyr Val Ilo Arg Ilo Lea Mot the Aug Cor Len Car Sar
                        25
            20
lle Ser Phe Asr. Ala Val Val Tyr His Ser
         3.5
                             40
-.2105 40
<211> 6
-.212 - PRT
<213 - Artificial Sequence</pre>
-320.·
<223 · Description of Artificial Sequence: stabilized
      peptide
.400 - 40
Met Tyr Leu Phe Ile Gly
+310 + 41
<211 - 75
-212 - DNA
· 213 · Artificial Sequence
- 220 >
·223 Description of Artificial Sequence: nucleic acid
       encoding stabilized peptide
44000 41
caggaaagat ctaigtatit gttoalogga taalacitaa tggloogotg gagaacttoa 60
 gtttaataag astto
```

11 .

```
<210> 40
<211> 61
42125 DNA
4.13 - Artificial Sequence
r220%
+223> Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
44005 41
caggaaagat otatgottot atttgggggg gactguggge agaaagcops atastttact 60
otgoraccgt caaggtaata agaatto
+12101-43
4,212: PRT
+213> Artificial Sequence
- 220.-
+ 223: Description of Artificial Sequence: stabilized
      peptide
-1400> 43
Met Leu Leu Phe Gly Gly Asp Cys Gly Lys Ala Gly Tyr Phe Thr Val
                                      10
                                                           15
 1
Leu Pro Ser Arg
             20
· 110 · 44
+211 + 75
-1712 - DNA
·*113 · Artificial Sequence
-1220 ·
4223 Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
caggwaagat ctatgattgg gggateqttg agettegeet gggcaatagt tigtaataag 60
                                                                    75
aattotcatg titga
<210 - 45
-1211 - 28
3212 · PAT
<213 - Artificial Sequence
```

•

```
<120> 1
<1235 Description of Artificial Sequence: stabilized
      paptide
<400> 45
Met lie Gly Gly Ser Leu Ser Phe Ala Trp Ala lie Val Cys Ash Lys
                                 10
Ash Ser His Val
             30
<.10: 46
·1111- 14
*:12: PRT
+213 + Artificial Sequence
4120 ·
· 223 · Description of Artificial Sequence: stabilized
      peptide
<400 - 46
Met Asn Gly Arg Thr Lys Arg Ile Arg Asp Pro Pro Ala Ala
  1
                  5
                                     1.0
<210> 47
<211 > 86
<212> DNA
4.713 • Artificial Sequence
<123 - Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400 - 47
caggaaagat ctatgaacgg cegaaccaaa egaatceggg acceaccage cgcctaaaca 60
gotaccagot gtggtaataa gaatto
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·211> 18
+.212 > PRT
·215 > Artificial Sequence
 <223> Description of Artificial Sequence: stabilized
       peptide
```

```
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Met Arg Arg Glu Val Met Cys Ala Ala Lys Gln Glu Trp Lys Glu Arg
                                      0
Thr Pro
R2105 49
42115 8F
<212) DNA
<%13> Artificial Sequence
<2200H
<223. Secoription of Artificial Sequence: nucleic actid</p>
      encoding stabilized peptide
-14001-49
caggaaagat ctatggaoog tdaagtgatg tgtgoggcaa aabaggaatg gaaggaabd 60
acgodatagg cogogtaata agaatto
·/210:- 50
<211> 87
<1.12 DNA
<!213 Artificial Sequence</pre>
<12.201
<223 · Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400 / 50
caggaaagat ctatqtaged baatgeactg ggageacgeg tgttaggtet agaadecaeg 60
tacccattta atccataata agaatto
<210 - 51
·:211 · 12
<212 - PRT
<213> Artificial Sequence
<223 - Description of Artificial Sequence: stabilized</p>
      peptide
<400> 51
Met Leu Gly Leu Glu Ala Thr Tyr Fro Phe Ash Fro
                                       10
```

```
×211 × 80
4211> 5
MALL FET
%113 Artificial Sequence
<1110
k2b3: Description of Artificial Sequence: stabilized
      peptide
44000 52
Met Arg Gly Ala Asn
4214. 53
<211: 87
+ 212: DNA
+213 Artificial Sequence

<
        encoding stabilized peptide
-:400:- 53
caggaaagat ctatgagggg ogccaactaa ggggggggga aggtatttgt occutgcata 60
atotogggtg ttgtctaata agaatto
-:210 - 54
<111> 4
-1212 · PRT
<1213 · Artificial Sequence</pre>
4220 +
-0123 - Description of Artificial Sequence: N-terminal
       protective sequence
-:400 - 54
Maa Pro Pro Maa
  1
+1010 + 55
-1111 - 36
-1212 - DNA
- 213 · Artificial Sequence
-:220>
<?23> Description of Artificial Sequence: prime:
```

<400.55	
tuotatagat otathabosa abaqqaaaaa abogoo	33
<110) 56	
<0.11% 36	
<pre><112> DNA</pre>	
<pre> <pre> <pre>Artificial Sequence</pre></pre></pre>	
4.220 ·	
4.123 - Description of Artiticial Sequence: primer	
•400. 5€	
tataogtatt cagttgotca datgttottt cotgog	36
×210 · 57	
+211 + 41	
+112 + DNA	
+: 113 + Artificial Sequence	
K220 -	
+223 - Description of Artificial Sequence: primer	
The book person of the care of	
K400× 57	
aattcatact atagatctat gaccaaacag gaaaaaaccg c	41
gudaduog deughteeta, gudoudoug gudaduoog o	
<pre><210> 58</pre>	
<211 > 42	
K212 + DNA	
· 213 · Artificial Sequence	
213. In ciricial boddened	
+120 ·	
+223 Description of Artificial Sequence: primer	
the bodelipelen of merroral bodanes, primer	
+400 + 58	
tatataatac atgtcagaat toga g gtttt cacegtcate ac	42
tatacaatac atgecagaat toga y gtete cacegocate ac	7.2
+210 + 59	
+111/2 96	
+ 212 + DNA	
/713 · Artificial Sequence	
223-	
223 Description of Artificial Sequence: randomized	
oligonucloetide	
44002 59	
-tactataga: ciatgroppe, popropropri bottropped Labbropped propredence	₩ UI

nnunnnnnn nnunncatag atdtgrptpr tgtgat	9.5
KUIL> DNA	
-MIR \Artificial Sequence	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
· 20 6 · ·	
02230 Description of Artificial Sequence: primer	
pooripoid. While the transfer to gather the princip	
<400° €3	
atcacagomo goagatotat g	21
a. Da. a godo - godgaeo . de - g	I
<pre></pre>	
-1. 11: 30 -1. 11: 30	
+L12 DNA	
<pre></pre>	
The month of the confidence	
220)-	
<pre><!--d--><!--a--> Description of Artificial Séquence: randomined</pre>	
cligonuclectide	
011go.ndo1co11dc	
<400> 61	
tabtatgaat tenningaatt otgobaccad tabtat	36
casias gade commigates oughousside castat	50
<210 - €2	
<011: 21	
<2120 DNA	
<pre><213% Artificial Sequence</pre>	
The virginia of question	
K230:	
<pre><2230 Description of Artificial Sequence: primer</pre>	
The state of the s	
<4000 €2	
atagtagtgg tggcagaatt c	21
₹210 - 63	
+211 + 105	
+212 DNA	
स्थाः Artificial Sequence	
·1220 ·	
<2233 Description of Artificial Sequence: randomized	
oligonucleotide	
<400× 63	
tactatagat ctatgoogoo ghinnninnin ninnnnnnn ninnnnnnnn ninnnnnnn	€0
nnnnnnnn nnnnnnnnn noogoogtaa taagaattog tacat	105

<2210 > 64	
<211> 14	
12152 DUB	
K213: Antificial Sequence	
+ 226×	
H223x Description of Artificial Sequence: primer	
H400N 64	
atgracqaat tottattacq gogg	24
K210% 65	
+211>-90	
X12 - 177A	
-:213: Artificial Sequence	
+:220:-	
+:223: Description of Artificial Sequence: randomized	
cligenucl e otide	
<400° 65	
tactatagat ctatgvanva nvanvanvan vanvanvanva anvanvanva nvanvanvan	60
vanvantaat aagaattoto ocagoactat	90
<210° 66	
K2119-24	
<012> DNA	
<213 - Artificial Sequence	
The state of the s	
₹220 -	
<pre><:223 - Description of Artificial Sequence: primer</pre>	
4400 ± 66	
atagrgoogg cagaattott atta	24
K210 + 67	
F211 - 105	
-0212 - DNA	
<213 · Artificial Sequence	
KC20 /	
<pre></pre> <pre><</pre>	
uligonucleotias	
<400 > 67	
tactatagat ctatggaags cgaagacnin nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	
nnnnrkhurr rhnnnddiae addiaeatae taacattoo tacat	10

<21 0 ≥ €6	
<pre><011* 3.</pre>	
RITEN DNA	
-2139 Artificial Sequence	
Fait White Loud Doguetice	
K.2.2014	
-2230 Description of Artificial Sequence: primer	
atgtacgaat tottattatt tacgtttacg	3 :
<210 : €9	
::211% 81	
ADIL DNA	
<pre><pre><c13 artificial="" pre="" sequence<="" ·=""></c13></pre></pre>	
A. 13 - A: Official Sequence	
<120 -	
-0.23 Description of Artificial Sequence: nucleid acid	
encoding stabilized peptide	
· 100 · 69	
agatotatgo ogcogattot atggggogaa gogagaaago gottgtgggg tggggatoat	6
a accgoogt aataagaatt o	8
€210 × 70	
-0.10×70 -0.21×21	
OC12> PRT	
+213 - Artificial Sequence	
·220)	
-0223 · Description of Artificial Sequence: stabilized	
peptide	
• •	
3400 € 76	
Met Pro Pro Ile Leu Trp Gly Glu Ala Arg Lys Arg Leu Trp Gly Gly	
1 5 10 45	
Asp His Thr Pro Pro	
20	
210 > 71	
<211> 90	
R312 > DNA	
<213> Artificial Sequence	
<226>	

<2235 Tesoription of Artificial Sequence: muslein asid encodina stabilized poptide agatotatop ogoogoogit ggarastigiu togggiatig aggraggias yvätrigitgi 🖒 tigoogoogta ttaagaatto toatgtttga <21(> 72 +12113- 27 +:212: PRT <!213@ Artificial Sequence</pre> · 2201 #2230 Description of Artificial Sequence: stabilized peptide ·1400:- 72 Met ind Pro Pro Leu Asp lie Val Ser Gly Ile Glu Val Gly Gly His 5 1.0 Leu Trp Cys Arg Arg Ile Lys Asn Ser His Val 20 25 ·:210> 73 <211> 81 42127 DNA ·213 Artificial Sequence -1220 -1123 Description of Artificial Sequence: nucleic acid encoding stabilized peptide · 400 · 73 agatitatgo ogooggacaa tooggtooig tgatgaagog gaggtogaco aaggggatat 60 cagoogoogt aataagaatt c -1216 - 74 4211 + 8 -1212 + PRT +213 - Artificial Sequence -:220 -<223 * Description of Artificial Sequence: stabilized</p> peptide 4400> 74 Met Fro Fro Asp Asm Fro Val Leu

. 1

< 21 05 7 F · 211: 81 < 2135 DNA +213: Artifibial Sequence + 130s+s · 123. Pescription of Artificial Sequence: Lucleic acid encoding stabilized peptide -400- 75 agatotatqo ogooqotatt ggaoggagat gacaaataga tatatgogtg gttgttitto 60 totorgougt aataugäatt o <210 - 76 -211. 10 kD12 - PRT <113 Artificial Sequence</pre> <223 > Description of Artificial Sequence: stabilized peptide <400> 76 Met Pro Pro Leu Leu Asp Gly Asp Asp Lys 5 <110> 77 <211> 79 <212 - DNA <113> Artificial Sequence √220 · <123> Description of Artificial Sequence: nucleic acid encoding stabilized peptide againtaige egeogaggig gaagaigitg ataagaeagi gabagaigeg tiebattasi 6° 75 cccqccqtaa taaqaatto <210 - 78 <211 > 11 HIII2 PRT <113> Artificial Sequence

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41200 la
<2235 Pescription of Artificial Sequence: stabilized
      peptide
संकृति । त्रह
Met Pro Pro Arg Trp Lys Met Leu Ile Arg Glr.
·.210~ 79
<211: 39
<212: DNA
<213 Artificial Sequence
4.020
<223: Description of Artificial Sequence: nucleic acid</pre>
      encoding stabilized peptide
-400: 79
agatetatga tgagagtage geogeogtaa taagaatte
                                                                     39
<210> 80
<211> 7
<212> PRT
<213 Artificial Sequence
<220>
<223: Description of Artificial Sequence: stabilized
      peptide
<4000 80
Met Met Arg Val Ala Pro Pro
≺210 - 81
<211: 81
4212 - DNA
%213 · Artificial Sequence
<220.
<223 Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400 - 21
agaictatgo egeogtigog eqqggeatgo qatgtatatg gggtaaatig aatgtetigi 60
gggcogcogt aataagaatt c
                                                                     81
```

```
-210- 82
1111 14
FILL FRT
+213 - Artificial deguence
· 220.
+223> Description of Artificial Sequence: stabilized
      peptide
-400° 82
Met Pro Pro Leu Arg Gly Ara Cys Asp Val Tyr Gly Val Asn
                  5
×210 × 83
·211: 81
+212 - DNA
+713. Artificial Sequence
• 220 ·
+223 - Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
· 400 × 83
agatotatgo ogcoggggag aggggaagog gtgggagtga catgottgag ogcgaaogtg 60
taccogoogt aataagaatt c
                                                                    81
+210> 84
<211> 21
· 213 · PRT
<213> Artificial Sequence
+223 Description of Artificial Sequence: stabilized
     peptide
·400 - 84
Mot Pro Pro Gly Arg Gly Glu Ala Val Gly Val Thr Cys Leu Ser Ala
 1
                 5
                                     1 C
                                                          15
Asr. Val Tyr Fro Pro-
             20
-1310 · 85
-:011 · 81
<212 + DNA
<213 - Artificial Sequence
```

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<220>
<223> Description of Artificial Sequence: muslent acid
      encoding stabilized pertide
< 400> 85
againstates egoogygaag getagitetti titeteesta teittettie equaatates 60
ctosopocut aataagaatt o
<2105 86
<:211: 21
ACIDA PRI
+:7130 Artificial Sequence
-:120 ·
1223 Description of Artificial Sequence: stabilized
      reptide
+400 + 86
Met Pro Pro Gly Arg Val Val Phe Phe Val Ala Ile Phe Val Ser Ala
 1
                  5
The Cys Leu Pro Pro
             20
₹210 - 87
<211 - 81
<212 > DNA
4013 · Artificial Sequence
<2220 ·
<223 - Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400 → 87
agatotatgo ogoogaggit ogotoatgag agtgitaaag ggotggggga ogitacaaaa 60
gotoogoogt aataagaatt c
-:210> 88
H211> 21
HILLS PET
<:213 > Artificial Sequence
<223> Description of Artificial Seguence: stabilized
      peptide
```

```
-:400≸ 88
Met Pro Erc Arg The Ala His Glu Ser Val Lys Gly Lea Gly Ast Val
       c.
                                     1.0
Thr Lys Ala Pro Pro
            20
H2105 89
.1211 \cdot 72
-1212 - DNA
-213 - Artificial Sequence
-:220:-
HMM30 Description of Artificial Sequence: nucleic acid
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44000 E9
agatetatgo atgacgaaca agaggaggag cabaataaaa aggataabga aaaagaabab 60
taataadaat to
                                                                    72
· 2100 - 90
<211> 18
FRT
1332 Artificial Sequence
K2265
<?233 Description of Artificial Sequence: stabilized</pre>
      peptide
-1400. 90
Met His Asp Glu Glr. Glu Glu Glu His Asn Lys Lys Asp Asn Glu Lys
                                     1 C
Glu His
-210 - 91
-211 - 75
+ 111. DNA
+ 213 - Artificial Sequence
-1223 Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
4400 - 91
```

25

```
agathutatoldsymbol{q}o adobygagoa ogagobaggo aggbtoldsymbol{q}torb agbygatoss gaattabban oldsymbol{\ell}
aattotoatq titga
<21 ** 91
<:211 · 21
* Ell > FRT
«113 * Artificial Sequence
<220.5
·223 · Description of Artificial Sequence: stabilized
      peptide
4400× 92
Met Glm Glm Glu His Glu Glm Gly Arg Met Sor Lys Arg Met Lys Asn
Asn Lys Asn Ser His Val
             2.0
·210 · 93
K111. 75
<212 - DNA
+213 - Artificial Sequence
<220 -
<223 · Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400 - 93
agatotatga accatoataa tgaggocatg atcaacacaa tgaaaacgag gaataataag 60
aattotoatg titga
<210 > 94
4011 - 22
<212. PRT
+113 - Artificial Sequence
·12.20 ·
\pm 223 \pm Description of Artificial Sequence: stabilized
      peptide
<400 - 94
Met Ash His His Ash Glu Ala Met Ile Ash Thr Met Lys Thr Arg Ash
                    3
                                        10
                                                              15
Ash Lys Ash Ser His Val
              20
```

H210x 96 H211x 72 H211x DNA H213x Artificial Sequence	
<pre>%220 * %223 * Description of Artificial Sequence: nucleic acid encoding stabilized peptide</pre>	
4400 - 95 ayatotatga acqacqacaa teaqeaaqaq gataateatg ateaqeataa ggataacaaa taataagaat te	60 72
+210 + 96 +211 + 18 +212 + PRT +313 + Artificial Sequence	
<pre><pre><pre><pre></pre></pre> <pre><pre></pre> <pre></pre> <pre>Artificial Sequence: stabilized peptide</pre></pre></pre></pre>	
Met Asn Asp Asp Asn Gln Gln Glu Asp Asn His Asp Gln His Lys Asp 1 5 10 15	
Asn Lys	
<pre>%210.0 97 <211 + 72 %212 * DNA <2130 Artificial Sequence</pre>	
 #.20 - #.123 - Description of Artificial Sequence: nucleic acid encoding stabilized peptide 	
4400.97 ayatotatgo aagagoagga toagoataat gataacoato acgaggataa acataagaag taatkagaat to	€0 72
+110+98 <1110-18 <1112-PRT	

```
<213> Artificial Sequence
H220 +
Addit Description of Artificial Sequence: stabilized
<400 - 98
Met Glm Glu Glm Asp Glm His Asm Asp Asm His His Glu Asp Lys His
                                      1 7
Lys Lys
. 110 . 49
4211 · 93
-1212> DNA
+213 · Artificial Sequence
<2220.-
·223 · Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400. 99
agatotatgg aagacgaaga cgagggtgcg toagcgtggg gagcagaact ttggtcgtgg 60
cagtoggtgo gtaaacgtaa ataataagaa tto
<210> 100
<21.1> 25
<212: PRT
<2130 Artificial Sequence</p>
<1200
<2230 Description of Artificial Sequence: stabilized</p>
     peptide
<4001-100
Met Glu Asp Glu Asp Glu Gly Ala Ser Ala Trp Gly Ala Glu Leu Trp
                 5
                                      10
Ser Trp Glr. Ser Val Arg Lys Arg Lys
             2.0
<210 - 101
K211'- 93
K21ZP DNA
<213> Artificial Sequence
```

```
<120×
+21 → Description of Artificial Regience: hubleic abid
      encounty stabilized reptage
· 460 · 161
agatotatgð aagacgaaga eggtotaggo atggggggty ggttggteag gotoaettta 60
ttattottoo gtaaaogtaa ataataagaa tto
-210 - 102
· 211. · 25
+310 + PET
-2130 Artificial Sequence
. 3333 -
·223 Description of Artificial Sequence: stabilized
      poptide
-400 - 102
Mot Glu Asp Glu Asp Gly Leu Gly Met Gly Gly Gly Leu Val Arg Leu
                  5
                                    10
Thr Leu Leu Phe Phe Arg Lys Arg Lys
             20
<210> 103
<211> 93
41212> DNA
<213> Artificial Sequence
<2200
<2230 Description of Artificial Sequence: nucleic acid
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<400> 103
agaistatgg aagacgaaga oggggagagg atobaggggg obegotgtee agtagegetg 60
qtaqataqac gtaaacgtaa ataataagaa tto
+2100+104
<1111> 25
42129 PRT
-213 Artificial Sequence
.220.
description of Artificial Sequence: stabilized
      peptide
```

<400> 104 Met Glu Asp Glu Asp Gly Glu Arg Ile Gln Gly Ala Arg Cys Fro Val 1.7 Ala Leu Val Asp Arg Arg Lys Arg Lys ·*210 · 105 -0211 - 11 +312 + PRT -213 · Artificial Sequence · 220 × - 123 - Description of Artificial Sequence: stabilized peptide - 400 × 105 Met Glu Asp Glu Asp Asp Arg Gly Arg Gly Arg <210> 106 · 111 · 93 -212> DNA <213> Artificial Sequence <220> \pm 223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide <400> 106 agatetatgg aagaegaaga egaeaggggg egtgggeggt agetttaagt tgegetaagt 60 tgcgagatac gtaaacgtaa ataataagaa tto 93 -210 - 107 ·111 · 93 + D12 - DNA +213 > Artificial Sequence 4.220b •223. Description of Artificial Sequence: nucleic acid encoding stabilized peptide · 400> 107

gttggggaac gtaaacgtaa ataataagaa tto

agatetatgg aagaegaaga eggggggee gggaggaggg estgtetttg tteegegett 60

93

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<310> 109
<211 · 25
-212 - FRT 1
<313 - Artificial Sequence</pre>
41230 ·
<223 Description of Artificial Sequence: stabilized</p>
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·:400 · 108
Met Glu Asp Glu Asp Gly Gly Ala Gly Arg Arg Ala Cys Leu Cys Ser
                                     10
Ala Leu Val Gly Gl{f u} Arg Lys Arg Lys
            20
4.310 109
1211 - 90
-1212 · DNA
-1213 - Artificial Sequence
·.220 ·
+223 · Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400 - 109
agatotatgg aagacgaaga caagcgtogo gagaggagtg caaaagggog toatgtoggt 60
cigtogatgo gtaaacgtaa ataagactgt
                                                                     90
<210 - 110
<211 > 25
·112 · PRI

Artificial Sequence
·:2201-
<\!223. Description of Artificial Sequence: stabilized
     peptide
<400≥ 110
Met Glu Asp Glu Asp Lys Arg Arg Glu Arg Ser Ala Lys Gly Arg His
 1
               5
                                                          15
Val Gly Arg Ser Met Arg Lys Arg Lys
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